

UNITED STATES MARINE CORPS

Road Map

The road to success for

MOS 6073

Aircraft Maintenance Support Equipment Mechanic

Electrician / Refrigeration





6073 - 6019 Road Map

OVERVIEW:

The "Road Map to Success" is a training initiative to give every Marine a guideline from which to plan their career. Each MOS Road Map details the MOS Training, PME, Voluntary Education, and Billets recommended for each rank. These Road Maps "should not" be utilized by supervisors for performance evaluation of a Marine such as Proficiency/Conduct Marks or Fitness Reports, but as an option to enhance their future both in the military and beyond.

Upon graduation from MOS school, Marine receives a brief on:

Future MOS courses, MCI requirements, PME requirements, and the availability of college courses.

Gaining Command:

Realigns, supports, and enforces the road map.

1st Year

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration

- Complete Recruit Training
- Complete Marine Combat Training (MCT)
- Complete Aviation Support Equipment Technician Class A1 (N236482)
- Complete Support Equipment Electrical /Refrigeration Intermediate Maintenance(N28WPU4)
- Complete Naval Aviation Maintenance Program (NAMP) Indoctrination
- Complete Naval Aviation Occupational Safety and Health (NAVOSH) Indoctrination
- Maintenance On-the-Job Training (MOJT) as required per MCO P4790.20

PME:

- Complete MCI (3420E) Personal Finance

Voluntary Education:

- An apprenticeship program for Automobile Mechanic (DOT Code 620.261-010) is available at. (https://www.cnet.navy.mil/usmap/usmc_trades.html). This apprenticeship program can be used in preparation for the National Institute for Automotive Service Excellence Certifications available at <http://www.asecert.org/>. Individuals are encouraged to utilize their Base Education Center for appropriate procedures in applying for this certification. Most local community colleges offer various courses/degrees in Automotive Repair

Duty:

- Aviation Support Equipment Mechanic Electrical /Refrigeration

Special Duty:

- Recruiter's Assistance recommended prior to reporting to the FMF

2nd Year

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration

- Progress toward Individual Training Standards System (ITSS) Marine Corps Maintenance Training Management and Evaluation Program (MATMEP) Level III Qualification as per MCO P4790.20
- Attend Fleet Aviation Specialized Operation FASO (D-555-0038) Naval Aviation Visual Identification Display System/Subsystem Capability Impact Reporting Course
- Attend FASO (D555-0023) Dispersed Technical Publication Librarian Course
- Begin Quality Assurance Collateral Duty Inspector (CDI) Syllabus

PME:

- Complete MCI (033N) Fundamentals of Marine Corps Leadership

Voluntary Education:

- An apprenticeship program for Automobile Mechanic (DOT Code 620.261-010) is available at (https://www.cnet.navy.mil/usmap/usmc_trades.html). This apprenticeship program can be used in preparation for the National Institute for Automotive Service Excellence Certifications available at <http://www.asecert.org/>. Individuals are encouraged to utilize their Base Education Center for appropriate procedures in applying for this certification. Most local community colleges offer various courses/degrees in Automotive Repair...

Duty:

- Aviation Support Equipment Mechanic Electrical /Refrigeration
- W/C Assistant Collateral Duty Assignment (I.E. Tool Control NCO, Safety NCO, DTPL...)

Special Duty:

- None recommended until the rank of Sergeant

3rd Year

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration

- Obtain ITSS MATMEP Level III Qualification as per MCO P4790.20
- Obtain Quality Assurance Collateral Duty Inspector Certification

PME:

- Complete MCI (6001AP) Aviation Maintenance Non-Commissioned Officer
- Read 2 books from the Commandant's Reading List

Voluntary Education:

- An apprenticeship program for Automobile Mechanic (DOT Code 620.261-010) is available at. (https://www.cnet.navy.mil/usmap/usmc_trades.html). This apprenticeship program can be used in preparation for the National Institute for Automotive Service Excellence Certifications available at <http://www.asecert.org/>. Individuals are encouraged to utilize their Base Education Center for appropriate procedures in applying for this certification. Most local community colleges offer various courses/degrees in Automotive Repair.

Duty:

- Aviation Support Equipment Technician
- Temporary Additional Duty as "O" Level Ground Support Equipment Representative
- W/C Primary/Assistant Collateral Duty Assignment (I.E. Tool Control NCO, Safety NCO, DTPL...)

Special Duty:

- None recommended until the rank of Sergeant



4th Year

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration

- Progress toward ITSS MATMEP Level IV Qualification as per MCO P4790.20
- Begin Collateral Duty Quality Assurance Representative CDQAR training syllabus
- In preparation for future billets, the following courses are recommended:
 - Attend FASO (D-555-0041) Intermediate Maintenance Activity (IMA) Work center Management/Documentation Procedures Course
 - Attend FASO (D-555-0043) IMA Production Control Procedures Course
 - Attend FASO (D-555-0006/0046) Naval Aviation Quality Assurance Course

PME:

- Attend Corporal's Course (Resident)
- Complete MCI (8010) Sergeants Distance Education Program
- Complete MCI (605AP) Aviation Maintenance Work Center Supervisor
- Continue the Commandant's Reading List Program

Voluntary Education:

- An apprenticeship program for Automobile Mechanic (DOT Code 620.261-010) is available at. (https://www.cnet.navy.mil/usmap/usmc_trades.html). This apprenticeship program can be used in preparation for the National Institute for Automotive Service Excellence Certifications available at <http://www.asecert.org/>. Individuals are encouraged to utilize their Base Education Center for appropriate procedures in applying for this certification. Most local community colleges offer various courses/degrees in Automotive Repair.

Duty:

- Aviation Support Equipment Technician Electrical /Refrigeration
- W/C Crew / Shift Leader
- W/C Primary Collateral Duty Assignment (I.E. Tool Control NCO, Safety NCO, DTPL...)
- W/C Quality Assurance Collateral Duty Inspector

Special Duty:

- None recommended until the rank of Sergeant



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Sergeant

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration



- Obtain ITSS MATMEP Level IV Qualification as per MCO P4790.20
- Obtain Collateral Duty Quality Assurance Representative CDQAR Certification
- Attend any/all of the following courses (as required by billet):
 - Attend FASO (D-555-0041) Intermediate Maintenance Activity (IMA) Work center Management/Documentation Procedures Course
 - Attend FASO (D-555-0043) IMA Production Control Procedures Course
 - Attend FASO (D-555-0006/0046) Naval Aviation Quality Assurance Course
- Submit Warrant Officer package if desired (8 years)

PME:

- Attend Sergeant's Course (Resident)
- Complete MCI (7100) SNCO Career Distance Education Program
- Continue the Commandant's Reading List Program

Voluntary Education:

- An apprenticeship program for Automobile Mechanic (DOT Code 620.261-010) is available at. (https://www.cnet.navy.mil/usmap/usmc_trades.html). This apprenticeship program can be used in preparation for the National Institute for Automotive Service Excellence Certifications available at <http://www.asecert.org/>. Individuals are encouraged to utilize their Base Education Center for appropriate procedures in applying for this certification. Most local community colleges offer various courses/degrees in Automotive Repair.

Duty:

- Recommend the following billet assignments:
 - W/C Crew / Shift Leader
 - W/C ANCOIC/NCOIC
 - W/C Collateral Duty Quality Assurance Representative
 - Temporary Additional Duty as "O" Level Ground Support Equipment Representative
 - Quality Assurance Representative
 - Production Controller

Special Duty:

- Recommend one of the following special duty assignments:
 - Drill Instructor
 - Recruiter
 - Marine Security Guard
 - MOS Instructor ("A" or "C" School)

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Staff Sergeant

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/ Refrigeration



- Work Center
 - If not previously; attend FASO (D-555-0041) Intermediate Maintenance Activity (IMA) Work center Management/Documentation Procedures Course
- Production Control
 - If not previously; attend FASO (D-555-0043) IMA Production Control Procedures Course
 - Obtain Project/Priority Certification
- Quality Assurance
 - If not previously; attend FASO (D-555-0006/0046) Naval Aviation Quality Assurance Course
 - Attend FASO (D-555-0007) Aviation Technical Publication Library Custodian Course
 - Obtain Quality Assurance Representative Qualification
 - Obtain Hydraulic Contamination Analysis Certification
- Attend Naval Aviation Maintenance Training Unit NAMTRAU (C-600-3210) Senior Enlisted Aviation Maintenance (SEAM) Course
Submit Warrant Officer package if desired (8 years)

PME:

- Attend SNCO Career Course (Resident)
- Complete MCI (8200) SNCO Advanced Distance Education Program
- Complete MCI (606AP) Aviation Quality Assurance Supervisor
- Continue the Commandant's Reading List Program

Voluntary Education:

- Commence / Complete Associates in Science Degree (A.S.)
- Commence Bachelors in Science Degree (B.S)
- Degree Completion Program

Duty:

- Recommend the following billet assignments:
 - W/C SNCOIC
 - W/C Collateral Duty Quality Assurance Representative
 - Quality Assurance Representative
 - Production Controller

Special Duty:

- Recommend one of the following special duty assignments:
 - Drill Instructor
 - Recruiter
 - Marine Security Guard
 - MOS Instructor ("A" or "C" School)

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Gunnery Sergeant

MOS: 6073, Aircraft Maintenance Support Equipment Mechanic, Electrician/Refrigeration

- Maintenance Control
 - Attend FASO (D-555-0003) Naval Aviation Material Control Management Course
 - Attend FASO (D-516-0001) Naval Aviation Weight and Balance Course
 - Attend FASO (D-555-0039) Naval Aviation Logs and Records Course
- Quality Assurance
 - Attend FASO (D-555-0039) Naval Aviation Logs and Records Course
- Attend Naval Aviation Maintenance Training Unit NAMTRAU (C-600-3210) Senior Enlisted Aviation Maintenance (SEAM) Course (SEAM II if available)
- Submit Warrant Officer package if desired

PME:

- Attend SNCO Advanced Course (Resident)
- Complete MCI (7400) Warfighting Skills Distance Education Program
- Continue the Commandant's Reading List Program

Voluntary Education:

- Commence / Complete Bachelors Degree
- Degree Completion Program

Duty:

- Recommend the following billet assignments:
 - W/C SNCOIC/Division Chief
 - Quality Assurance Division Chief
 - Maintenance Control SNCOIC/Chief

Special Duty:

- Recommend one of the following special duty assignments:
 - "B" Billet (if not previously)
 - MOS Instructor ("A" or "C" School)
 - CNAL AMMT / MAW LOGMAT Inspector



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Master Sergeant

MOS: 6019, Aircraft Maintenance Chief

- Attend FASO (D-555-0034) Naval Aviation Maintenance Officer Course
- Attend Naval Aviation Maintenance Training Unit NAMTRAU (C-600-3210) Senior Enlisted Aviation Maintenance (SEAM) Course (SEAM II under development)

PME:

- Attend Maintenance Chief's Symposium
- Attend E-8 Seminar
- Continue the Commandant's Reading List Program

Voluntary Education:

- Commence Masters Degree in any of the following:
 - M.S. Aeronautical Science
 - M.S. Management
 - M.S. Technical Management
 - M.S. Technical Management Occupational Safety

Duty:

- Recommend the following duty assignments:
 - Maintenance Control Chief (Squadron)
 - Maintenance Chief (Squadron)
 - Division Chief (MALS)
 - Production Control Chief (MALS)

Special Duty:

- Recommend one of the following special duty assignments:
 - HQMC
 - SNCOIC MOS "A" or "C" School
 - MAW LOGMAT Inspector



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Master Gunnery Sergeant

MOS: 6019, Aircraft Maintenance Chief

- If not previously; attend FASO (D-555-0034) Naval Aviation Maintenance Officer Course
- Attend Naval Aviation Maintenance Training Unit NAMTRAU (C-600-3210) Senior Enlisted Aviation Maintenance (SEAM) Course (SEAM II under development)

PME:

- Attend Maintenance Chief's Symposium
- Attend E-9 Seminar
- Attend Russell Leadership Conference
- Continue the Commandant's Reading List Program

Voluntary Education:

- Commence Masters Degree in any of the following:
 - M.S. Aeronautical Science
 - M.S. Management
 - M.S. Technical Management
 - M.S. Technical Management Occupational Safety

Duty:

- Recommend the following duty assignments:
 - Maintenance Chief (Squadron, MALS, MAG, MAW)
 - SNCOIC MOS "A" or "C" School
 - MAW LOGMAT Chief Inspector

Special Duty:

- HQMC



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Automotive Maintenance Degrees

*The following degree is a guideline for what is actually available through local Colleges and Universities.
Individuals should check with their local command Education Center for programs in their area.*



A.S. Automotive Technology:

Technical Core: (39 Semester Hours)

Automotive Principles	4
Shop Orientation	4
Engine Repair	4
Manual Transmissions	3
Electrical Systems	4
Automatic Transmissions	4
Suspension & Steering	4
Engine Performance	4
Heating & Air Conditioning	3
Brake Systems	4
Shop Experience	4

General Education: (40 Semester Hours)

Beginning Composition	3
Business Math	5
Computer Literacy	3
Essay & Research	3
Natural Science 1	5
Technical Writing	3
Social Science	5
Communication	3
Business Management	5
Humanities	5

Occupational Specialty: Any MOS

Technical Electives: (27 Semester Hours)

Advanced Engine Repair	3
Advanced Automatic Transmissions	3
Advanced Manual Transmissions	3
Advanced Suspension and Steering	3
Advanced Brake Systems	3
Advanced Electrical Systems	3
Advanced Heating and Air Conditioning	3
Fundamentals of Alternative Fuels	3
Advanced Engine Performance	3
Automotive Business Management	3
Service Advising	3
Automotive Service Management	3
Current Trends in Engine Repair	2
Current Trends in Automatic Transmissions	2
Current Trends in Manual Transmissions	2
Current Trends in Suspension & Steering	2
Current Trends in Brake Systems	2
Current Trends in Heating & Air Conditioning	2
Current Trends in Engine Performance	2
Advanced Alternative Fuel Systems	2
Automotive Service Merchandising	3
Auto Parts - Sales	2
Auto Parts – Inventory Control	2
Auto Parts Management	3

Degree Summary:

Technical Core	39
Technical Electives	27
General Education	40

Degree Requirements: 106

All of the Degree Completion Courses described herein should be used as a guideline through campus locations within the vicinity of Marine Corps Bases/Stations.

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Recommended ACE Accreditations

It is at the discretion of the College/University to recognize course accreditation during the application process for a degree.

Military Education:

Title	Military ID	ACE ID	Credits	Level
Recruit Training	808	MC-2204-0038	8	Lower
Aviation Support Equipment Technician Class A1	C602-2026	NV-1704-0326	9	Included
MCI Personal Finance	3420E	MC-1401-0009	1	Lower
MCI Fundamentals of USMC Leadership	033N	MC-1406-0023	1	Lower
Corporal's Course (Resident)	L9K	MC-1405-0051	4	Lower
Sergeant's Course (Resident)	T4M	MC-2204-0143	7	Lower
MCI Sergeants Distance Education	8010	MC-2204-0127	7	Lower
SNCO Career Course (Resident)	T8A	MC-2204-0140	7	Lower
SNCO Career Distance Education	7100	MC-2204-0139	4	Lower
SNCO Advanced Course (Resident)	T8H	MC-2204-0076	9	Lower
SNCO Advanced Distance Education	8200	MC-2204-0142	3	Lower
MCI Warfighting Skills Program	7400	MC-2204-0112	2	Lower
MCI Theory/Construction of Turbine Engines	602	MC-1710-0004	2	Vocational
MCI Aviation Maintenance NCO	6001A	MC-1704-0010	3	Lower
MCI Aviation Maintenance W/C Supervisor	605	MC-1406-0042	2	Vocational
MCI Aviation Quality Assurance Supervisor	606A	MC-1405-0047	1	Lower
FASO Naval Aviation Logs and Records	D/E-555-0039	NV-1408-0046	2	Lower
FASO Naval Aviation Maintenance Control	D/E-555-0040	NV-1408-0047	2	Lower
Drill Instructor School	81E	MC-1406-0036	8	Lower
Recruiter School	81C	MC-0327-0001	5	Lower
Marine Security Guard School	81H	MC-1728-0006	4	Lower
Classroom Instructor (MOS) School	A-012-0077	NV-1406-0044	3/3	Lower/Upper

Military Skills:

Description	Military ID	ACE ID	Credits	Level
Level III ITSS MATMEP (SSgt)	6073	MCE-6073-001	18/2	Lower/Upper
Level IV ITSS MATMEP (GySgt)	6073	MCE-6073-001	24/3	Lower/Upper
Master Sergeant	6019	MCE-6019-001	9/9	Lower/Upper
Master Gunnery Sergeant	6019	MCE-6019-001	9/15	Lower/Upper

In the accreditation process:

- *Military education may be primarily accredited toward Elective Credit Hours (General Education).*
- *Military skills may be primarily accredited toward Technical Credit Hours (Core Education).*

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